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## PATENT COOPERATION TREATY

## PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

REC'D 02 AUG 2005


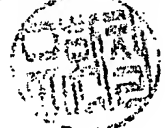
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Applicant's or agent's file reference GN-21715-PCT	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. <b>PCT/KR2004/000739</b>	International filing date(day/month/year) <b>31 MARCH 2004 (31.03.2004)</b>	Priority date (day/month/year) <b>01 APRIL 2003 (01.04.2003)</b>	
International Patent Classification (IPC) or national classification and IPC  <b>IPC7 H04Q 7/32</b>			
Applicant  <b>PARK, Mi-Kyoung et al</b>			

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 5 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
  - ☐ (sent to the applicant and to the International Bureau) a total of \_\_\_\_\_ sheets, as follows:
    - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
    - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
  - ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) \_\_\_\_\_ containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box relating to Sequence Listing (see Section 802 of the Administrative Instructions).
- This report contains indications relating to the following items:
  - ☒ Box No. I Basis of the report
  - ☐ Box No. II Priority
  - ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
  - ☐ Box No. IV Lack of unity of invention
  - ☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
  - ☒ Box No. VI Certain documents cited
  - ☐ Box No. VII Certain defects in the international application
  - ☐ Box No. VIII Certain observations on the international application

Date of submission of the demand  <b>01 NOVEMBER 2004 (01.11.2004)</b>	Date of completion of this report  <b>22 JULY 2005 (22.07.2005)</b>
Name and mailing address of the IPEA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer  YOU, Hwan Cheol  Telephone No. 82-42-481-5743

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2004/000739

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☒ This report is based on translations from the original language into the following language English which is the language of a translation furnished for the purposes of:
    - ☐ international search (under Rules 12.3 and 23.1(b))
    - ☒ publication of the international application (under Rule 12.4)
    - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
  - ☒ the international application as originally filed/furnished
  - ☐ the description:
    - pages \_\_\_\_\_ as originally filed/furnished
    - pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
    - pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
  - ☐ the claims:
    - pages \_\_\_\_\_ as originally filed/furnished
    - pages\* \_\_\_\_\_ as amended (together with any statement) under Article 19
    - pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
    - pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
  - ☐ the drawings:
    - pages \_\_\_\_\_ as originally filed/furnished
    - pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
    - pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
  - ☐ the sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
  - ☐ the description, pages \_\_\_\_\_
  - ☐ the claims, Nos. \_\_\_\_\_
  - ☐ the drawings, sheets \_\_\_\_\_
  - ☐ the sequence listing (*specify*): \_\_\_\_\_
  - ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
  - ☐ the description, pages \_\_\_\_\_
  - ☐ the claims, Nos. \_\_\_\_\_
  - ☐ the drawings, sheets \_\_\_\_\_
  - ☐ the sequence listing (*specify*): \_\_\_\_\_
  - ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

## 1. Statement

Novelty (N)	Claims	1-21	YES
	Claims	NONE	NO
Inventive step (IS)	Claims	3, 5-21	YES
	Claims	1-2, 4	NO
Industrial applicability (IA)	Claims	1-21	YES
	Claims	NONE	NO

## 2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1: JP 2000-011114 A (HITACHI LTD.) 14. JAN. 2000.

D2: KR 2002-0085144 A (LEE, KWANG HEE) 16. NOV. 2002.

D1, D2 were not referred to in INTERNATIONAL SEARCH REPORT and WRITTEN OPINION OF INTERNATIONAL SEARCHING AUTHORITY.

The claims 1-2, 4 of the present invention relate to a mobile communication terminal having a tag read function. In the present invention, the mobile communication terminal receives an encrypted product code from the contactless communication tag of a product and decrypts the received product code of whether or not an article is genuine by using an encryption key and a service management server.

D1 relates to a system for confirming whether or not a product is real or a fake by allowing a manufacture maker to record certificate data in the memory of a merchandise tag. In D1, a product tag reading terminal reads and confirms whether a product is real or a fake from the certificate information of the merchandise tag using the certificate decoding information from a certification server through a wireless network to the product tag reading terminal.

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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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## Box No. VI Certain documents cited

## 1. Certain published documents (Rule 70.10)

<u>Application No. Patent No.</u>	<u>Publication date (day/month/year)</u>	<u>Filing date (day/month/year)</u>	<u>Priority date (valid claim) (day/month/year)</u>
P,X KR 2003-0089045 A	21/11/2003	15/05/2002	

Document KR 20003-0089045 A, filed on 15/05/2002, published on 21/11/2003 does not constitute prior art within the meaning of Rule 64.1(b) PCT, but appears to disclose all the features of claims 1-8, 12-21.

## 2. Non-written disclosures (Rule 70.9)

<u>Kind of non-written disclosure</u>	<u>Date of non-written disclosure (day/month/year)</u>	<u>Date of written disclosure referring to non-written disclosure (day/month/year)</u>
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.  
Continuation of:

Continued from Box V

D2 relates to a system for confirming the genuineness of products. In D2, The system can confirm the genuineness of a product by reading an identification code of a product by means of connecting the server.

In the view of the teachings of citations D1-D2 taken in combination, these citations disclose all the features in claims 1-2, 4 of the present invention. The system of claims 1-2,4 of the present invention is very similar to the system of D1-D2 taken in combination in a view point of the system for confirming whether or not a product is real or a fake by means of a communication terminal having a tag read function and communication with service management server in claims 1-2,4 of the present invention and the combination of D1-D2. Therefore, the claims 1-2, 4 do not involve an inventive step in the sense of Article 33(3) PCT.

However, the technical features of the other claims of the present invention except claims 1-2, 4 are not disclosed in the combination of D1-D2, and then have an inventive step under PCT Article 33(3)

The claims 1-21 of the present invention seem to be novel(Article 33(2) PCT). The industrial applicability of the claims 1-21 is self-evident in the sense of Article 33(4) PCT.

----- THE END -----

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